

Semple, et al.; U.S.S N. 10/092,004; Filed March 5, 2002; For
"Inhibitors of Serine Protease Activity of Matriptase or MTSP1"; Atty
Dkt No.: 018813-0282105; Pillsbury Winthrop LLP; (858) 509-4016;
Sheet 1 of 12 (Figs. 1A-5B) **SUBSTITUTE DRAWINGS**

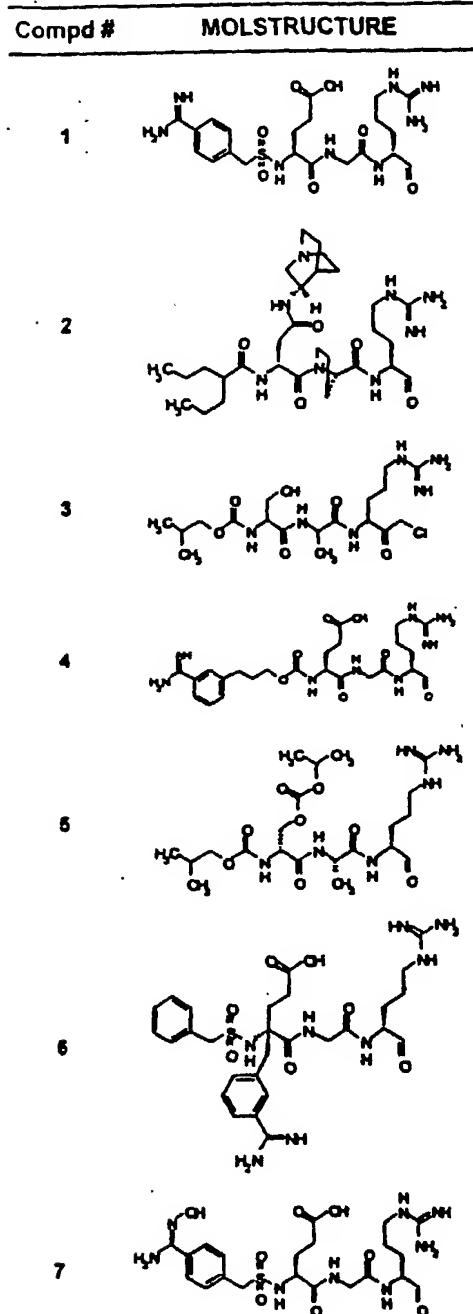


FIGURE 1A

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Sheet 2 of 12 (Figs. 1A-5B) **SUBSTITUTE DRAWINGS**

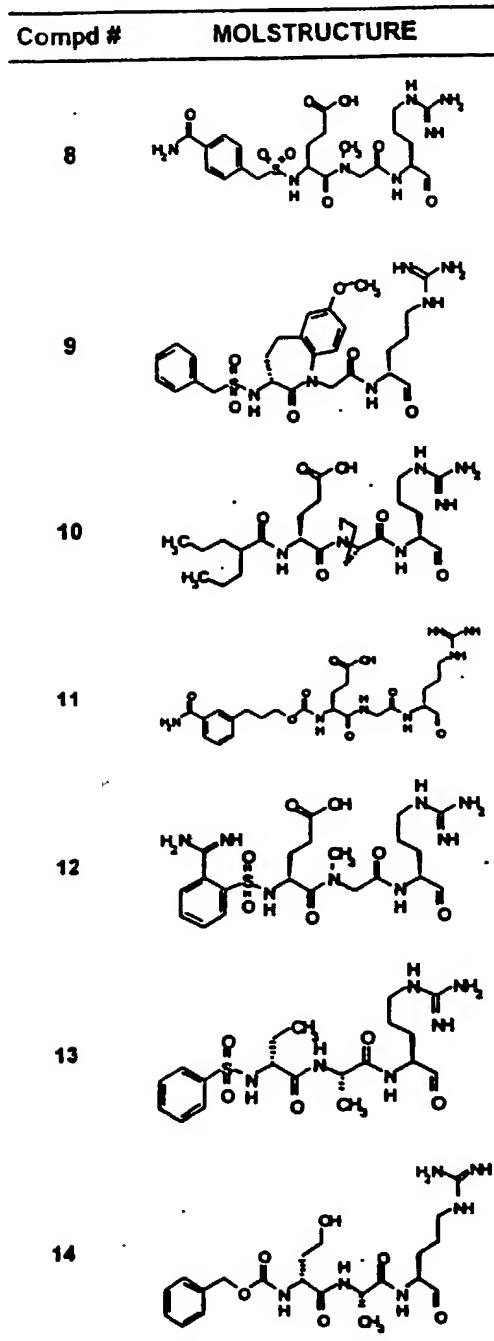


FIGURE 1B

1. INVENTION
2. FIELD OF THE INVENTION
3. BACKGROUND OF THE INVENTION
4. SUMMARY OF THE INVENTION
5. DETAILED DESCRIPTION OF THE PREFERRED EMBODIMENT
6. BRIEF DESCRIPTION OF THE DRAWINGS
7. DETAILED DESCRIPTION OF THE DRAWINGS

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Sheet 3 of 12 (Figs. 1A-5B) **SUBSTITUTE DRAWINGS**

Compd #	MOLSTRUCTURE	Compd #	MOLSTRUCTURE
15		20	
16		21	
17		22	
18		23	
19			

FIGURE 1C

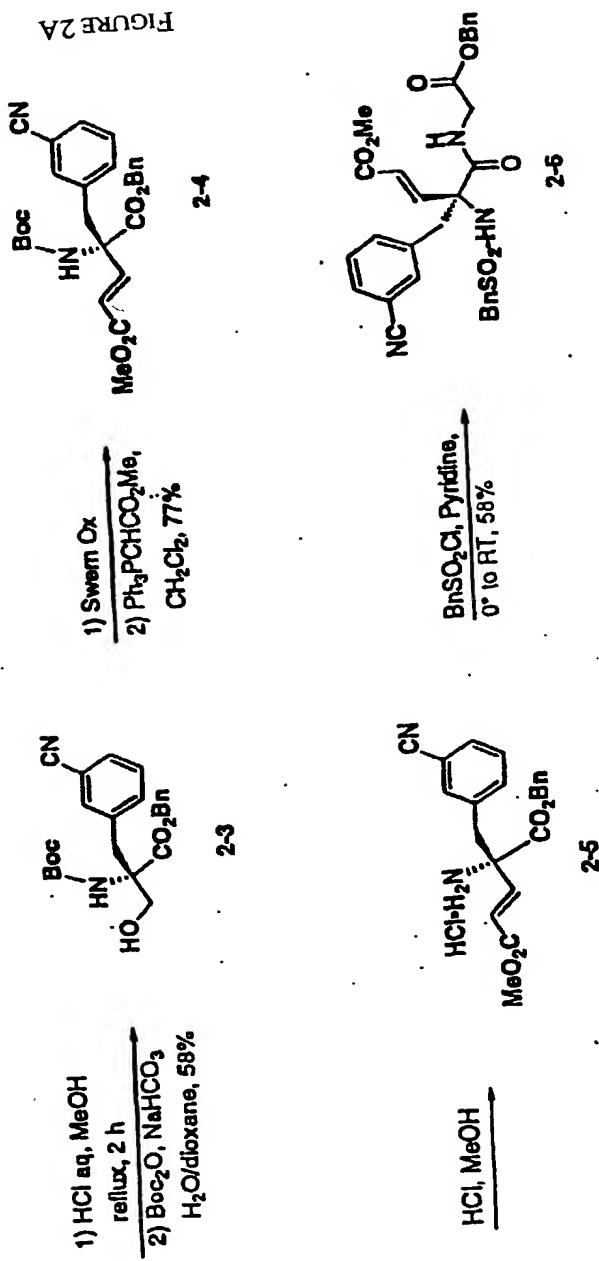
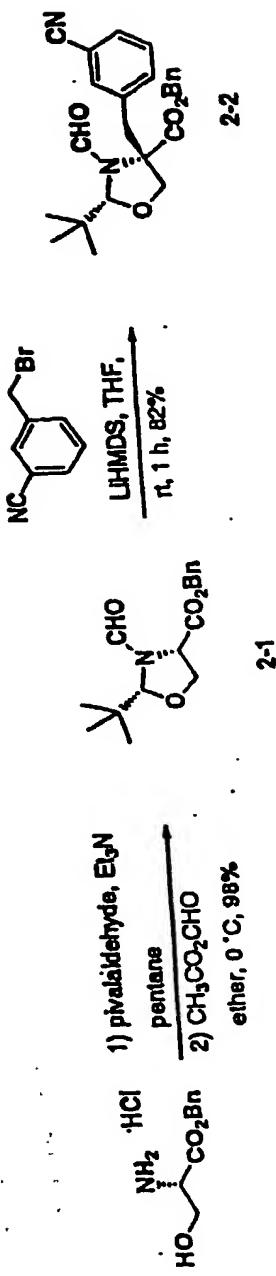
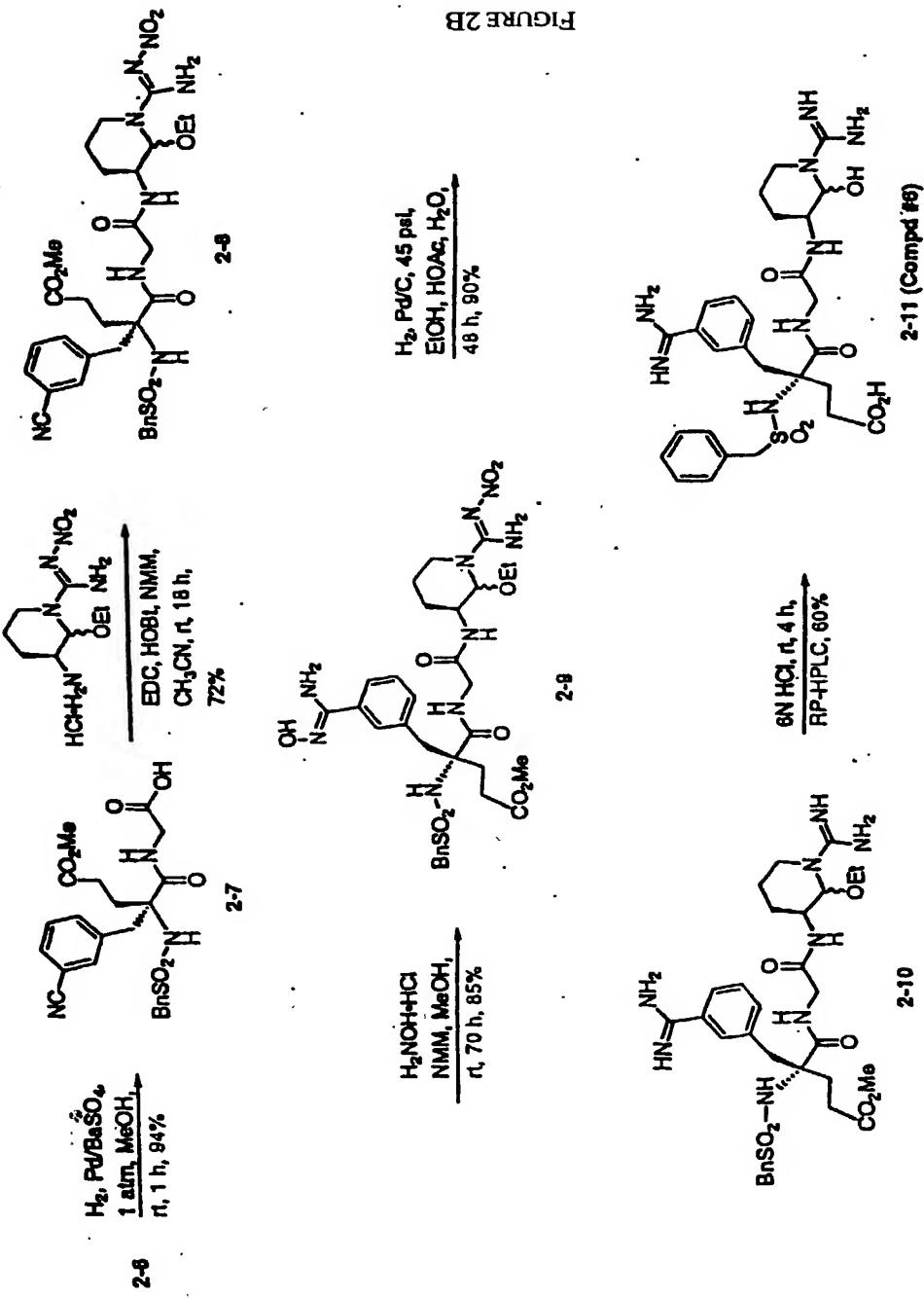


FIGURE 2A

FIGURE 2B



Schemt 5 of 12 (Fig. 1A-S, 1A-SB, SUBSTITUENT DRAWINGS
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 Sheet 6 of 12 (Figs. 1A-5B) **SUBSTITUTE DRAWINGS**

10	20	30	40	50	60
<code>GTTGTTGGGGCACGGATCGGATGAGGGCGAGTGGCCCTGGCAGGTAAAGCCTGCATGCT</code>					
<code>CAACAACCCCCGTGCCCTACGCCCTACTCCCGCTACCGGGACCGTCCATTGGACGTACGA</code>					
V V G G T D A D E G E W P W Q V S L H A >					
70	80	90	100	110	120
<code>CTGGGCCAGGGCACATCTCGGTGCTTCCTCATCTCTCCAACTGGCTGGTCTCTGCC</code>					
<code>GACCCGGTCCCGGTGTAGACGCCACGAAGGGAGTAGAGAGGGTTGACCGACCAGAGACGG</code>					
L G Q G H I C G A S L I S P N W L V S A >					
130	140	150	160	170	180
<code>GCACACTGCTACATCGATGACAGAGGATTCAAGTACTCAGACCCCCACGCAGTGGACGGCC</code>					
<code>CGTGTGACGATGTAGCTACTGTCTCTTAAGTCCATGAGTCTGGGTGCGTCACCTGCGG</code>					
A H C Y I D D R G F R Y S D P T Q W T A >					
190	200	210	220	230	240
<code>TTCCTGGGCTTGACGACCAAGGCCAGCGCAGCGCCCCCTGGGTGCAGGAGGGCAGGCTC</code>					
<code>AAGGACCCGAACGTGCTGGTCTCGTCGCGTCGCGGGACCCCACGTCTCGCGTCCGAG</code>					
F L G L H D Q S Q R S A P G V Q E R R L >					
250	260	270	280	290	300
<code>AAGCGCATCATCTCCCACCCCTCTTCAATGACTTCACCTTCGACTATGACATCGCGCTG</code>					
<code>TTCGCGTAGTAGAGGGTGGGAAGAACGTTACTGAAGTGGAAAGCTGATACTGTAGCGCGAC</code>					
K R I I S H P F F N D F T F D Y D I A L >					
310	320	330	340	350	360
<code>CTGGAGCTGGAGAAACCGGCAGAGTACAGCTCCATGGTGCGGCCATCTGCCTGCCGGAC</code>					
<code>GACCTCGACCTCTTGGCGGTCTCATGTCGAGGTACCAACGCCGGTAGACGGACGGCTG</code>					
L E L E K P A E Y S S M V R P I C L P D >					

FIGURE 3A

Simple, et al.; U.S.S.N. 10/092,004; Filed March 5, 2002; For
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 Sheet 7 of 12 (Figs. 1A-5B) **SUBSTITUTE DRAWINGS**

370 380 390 400 410 420

GCCTCCCATGTCTTCCCTGCCGGCAAGGCCATCTGGTCACGGGCTGGGACACACCCAGC
 CGGAGGGTACAGAAGGGACGGCGTTCCGGTAGACCCAGTGCCCCACCCCTGTGTGGTC
 A S H V F P A G K A I W V T G W G H T Q >

430 440 450 460 470 480

TATGGAGGCCTGGCGCGCTGATCCTGAAAAGGGTGAGATCLGCGTCATCAACCAGACC
 ATACCTCCGTGACCGCGCGACTAGGACGTTTCCACTCTAGGCGCAGTAGTTGGTCTGG
 Y G G T G A L I L Q K G E I R V I N Q T >

490 500 510 520 530 540

ACCTGCGAGAACCTCCTGCCGCAGCAGATCACGCCGCGCATGATGTGCGTGGCTTCC
 TGGACGCTCTGGAGGACGGCGTCGTCTAGTGCAGCGCTACTACACGCACCCGAAGGAG
 T C E N L L P Q Q I T P R M M C V G F L >

550 560 570 580 590 600

AGCGGCGGCGTGGACTCCTGCCAGGGTATTCCGGGGACCCCTGTCCAGCGTGGAGGCG
 TCGCCGCCGACCTGAGGACGGTCCCCTAAAGGCCCCCTGGGACAGGTGGCACCTCOGC
 S G G V D S C Q G D S G G P L S S V E .A>

610 620 630 640 650 660

GATGGGCGGATCTTCCAGGCCGGTGTGGTGAGCTGGGAGACGGCTGCGCTCAGAGGAAC
 CTACCCGCCCTAGAAGGTCCGGCCACACCACTGGACCCCTCTGGGACGCGAGTCTCCTTG
 D G R I F Q A G V V S W G D G C A Q R N >

670 680 690 700 710 720

AAGCCAGGCGTGTACACAAGGCTCCCTGTGTTGGACTGGATCAAAGAGAACACTGGG
 TTCCGTCCGACATGTGTTCCGAGGGAGACAAAGCCCTGACCTAGTTCTTGTGACCC
 K P G V Y T R L P L F R D W I K E N T G > FIGURE 3B

U.S. Patent and Trademark Office
PTO-904 (07-01-02)

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GTATAG

CATATC

V * >

FIGURE 3C

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 Sheet 9 of 12 (Figs. 1A-5B) **SUBSTITUTE DRAWINGS**

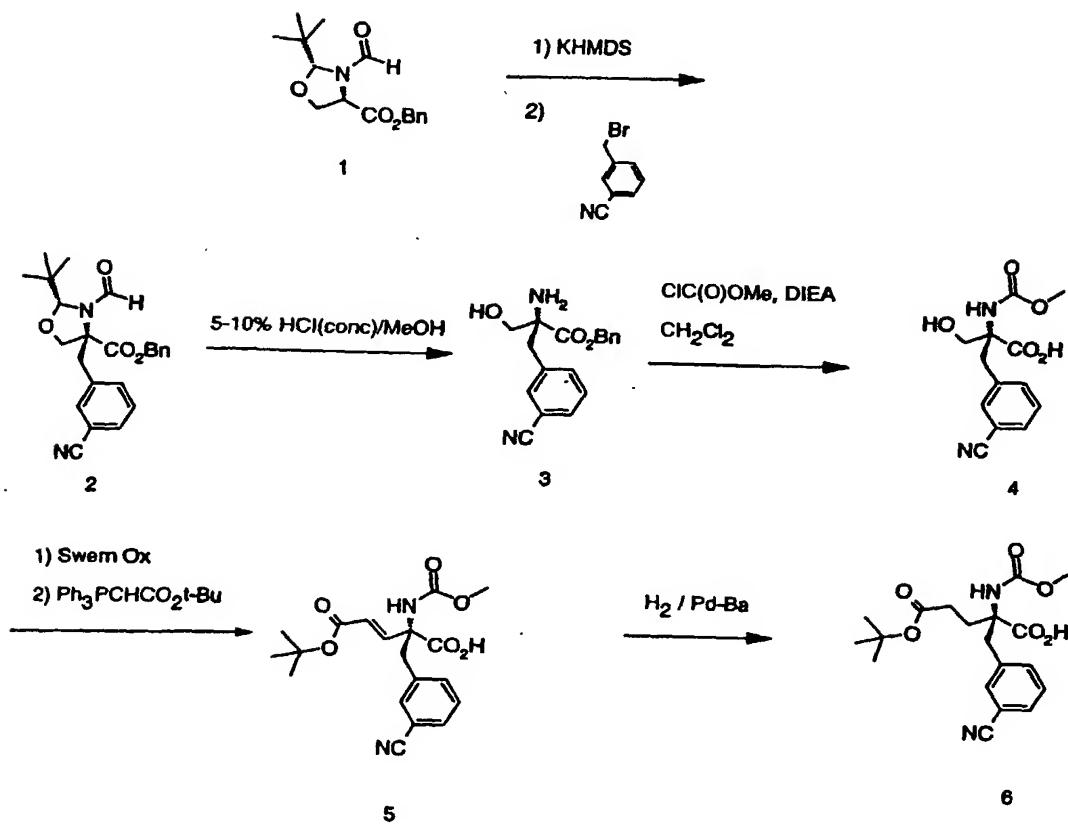


FIGURE 4A

Seemple, et al.; U.S.S.N. 10/092,004; Filed March 5, 2002; For
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Sheet 10 of 12 (Figs. 1A-5B) **SUBSTITUTE DRAWINGS**

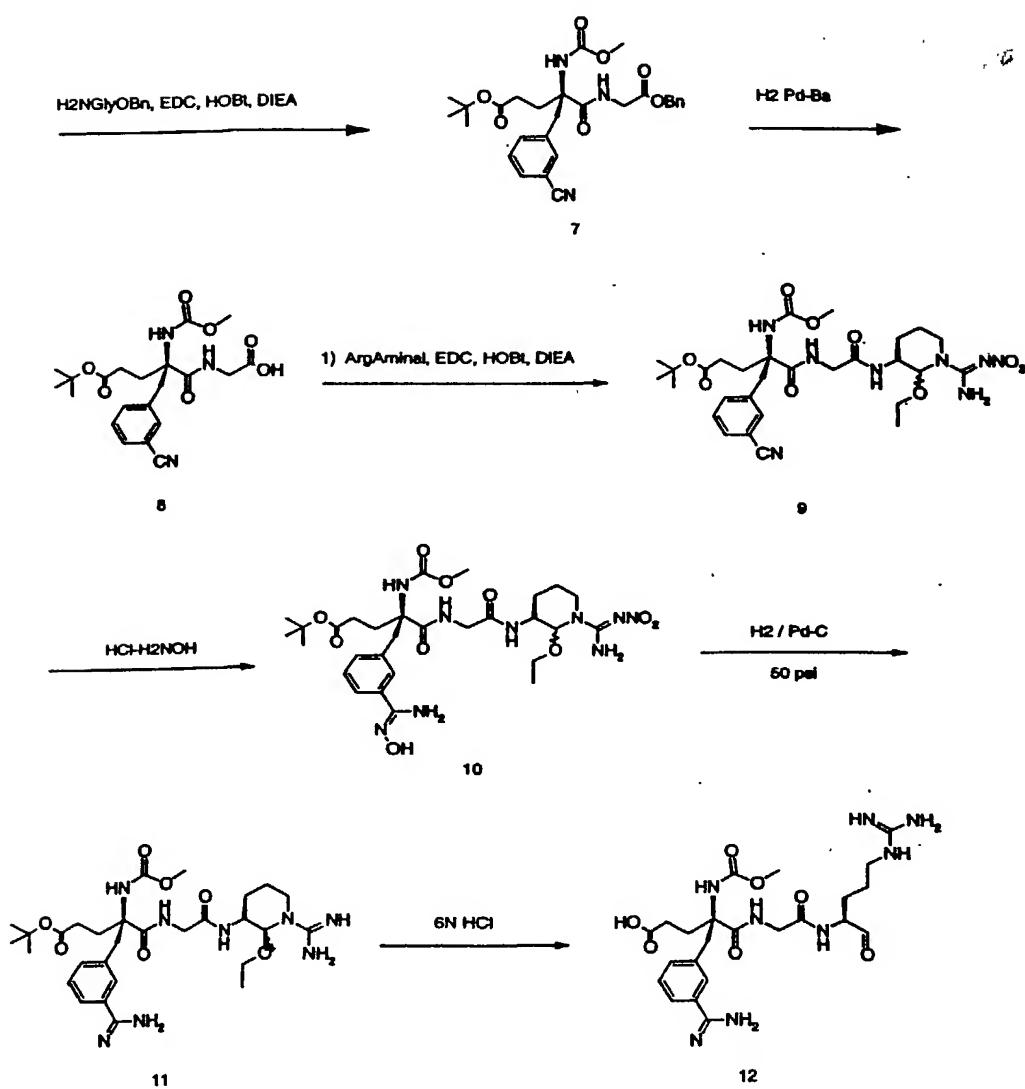


FIGURE 4B

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Sheet 11 of 12 (Figs. 1A-5B) **SUBSTITUTE DRAWINGS**

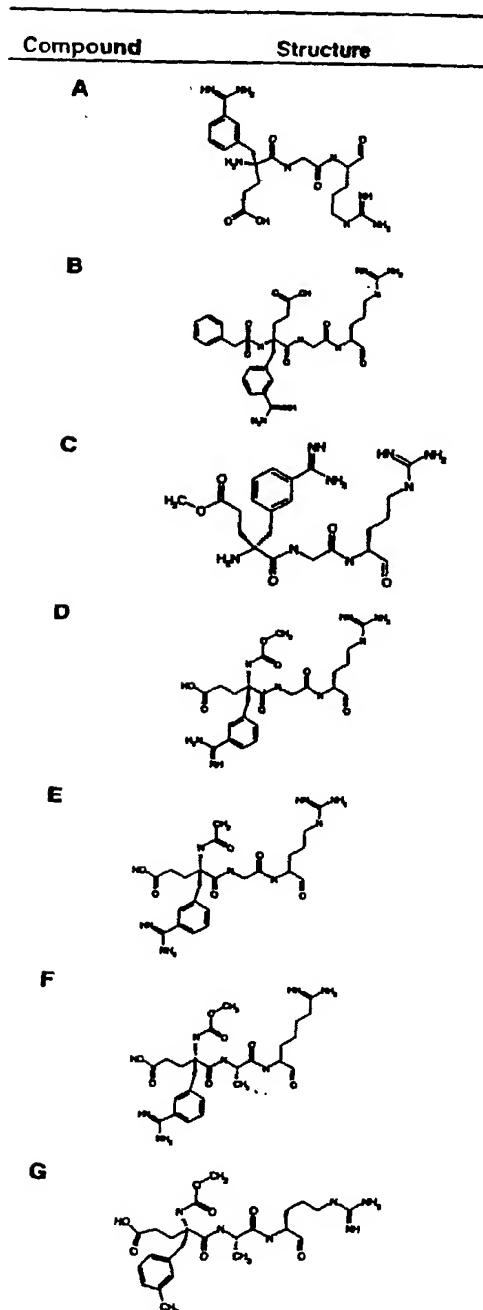


FIGURE 5A

Simple, et al.; U.S.S.N. 10/092,004; Filed March 5, 2002; For
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 Sheet 12 of 12 (Figs. 1A-5B) **SUBSTITUTE DRAWINGS**

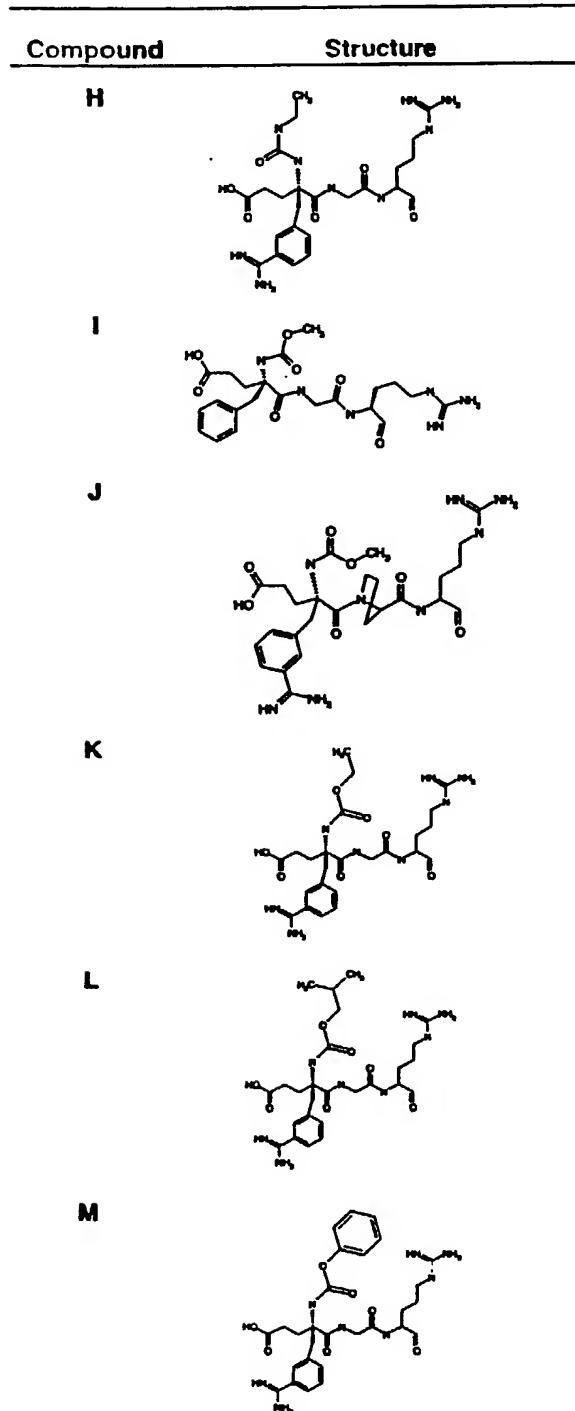


FIGURE 5B